REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8

"First and final"

M. A. R. 57 (Rule 116)

Measurement Book

No. B

353836

Serial No. .....

Name of Work ..... From..... To..... SBRNO: 52/16-3-18

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name of the work:- Improvements to Roads and drains at A.K. Colony Yelumandamma Badavane, KNV 1st Stage and 2nd Stage in Ward No-10 (Poddebommasandra), Vidyaranpura Subdivision.						
	Estimated cost:- Rs 25.00 Lacks.						
	ID number :- 010-18-00000007.						
	Head of Account :- P/878						
	Work order No:- BBMP/EE/BTP/WO/36/2017-18. Dated:- 20-12-2017						
	Name of contractor :- Executive engineer, Karnataka Rural infrastructure Development Limited, #280, 5th cs Road, 17th cs C Main Road, 3rd 'y' Block, Rajajinagar B/ne-10.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(1) EARTHWORK Excavations by manual Means in ordinary soil involving an average horizontal throw upto 2 meter and an average lift upto 0.50m Excavated surface levelled and sides neatly dressed, the disposed earth to be levelled, neatly after breaking of clods etc., Complete as per Specifications and directions of Engineer. As per premeasurement wide of MBNO- 3539 & Page no- 353890 to 353891					306.59 M^3	
	@ Rs. 199.36					Rs 61122 = 00	
	(2) providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm & down size graded granite metal coarse aggregate @ 0.85 cum and fine aggregate @ 0.57 cum machine mixed Concrete laid in layers not exceeding 15cms thick, well compacted in foundation and Plinth, including cost of all materials, labour, tools & machinery, curing etc., Complete as per specifications and cm.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ....

Date	Full description, etc, of w
1	2
	As per premeasurement MBNO- 3539 & Page N 353892
	) providing and laying readymixed concrete (and well compacted w -copes, foam works and with all leads and li fabrication charges] f foundation, (colum

SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
anual Means in ordinary soil involving an to 2 meters and an average lift upto 0.50m d sides neatly dressed, the disposed earth breaking of clods etc., complete as per details of M. BNO- 3539 891				306.59 M³	
				@Rs. 199.36	Rs 61122=00
on plain cement concrete of mix 1:4:8 with ion & down size graded granite metal coarse ne aggregates @ 0.57 cum machine mixed Exceeding 15cms thick, well compacted , including cost of all materials, labour Complete as per specifications and cu.					

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353837

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	As per remeasurement widely MB No- 3539 & Page No- 3538 9/to 3538 92					119.03 M³	
						@Rs 5159.02	Rs 614078=00
	Providing and laying cement concrete using 20mm and down size granite jelly ready mixed concrete (RMC) for R.C.C Works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement -coat, form works and scaffoldings, to withstand Pumping of Concrete, with all leads and lifts etc., Complete (exclusive cost of steel and fabrication charges) Ready mixed Cement Concrete M-20 [1:1.5:3] for Raft foundation, Column footing, main & Secondary beams etc., Complete						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
as per	Specifications and direction g m.						
	Bottom concrete	1	30	0.9	0.15	= 4.05 m3	
	Ramachandrapura main road to 7th cs Pillegowda layout SWD	1	30	0.9	0.15	= 4.05 m3	
		1	30.9	0.9	0.15	= 4.17 m3	
		1	30	0.9	0.15	= 4.05 m3	
		1	25.6	0.9	0.15	= 3.46 m3	
	7th cs Ls —	1	30	0.9	0.15	= 4.05 m3	
		1	30	0.9	0.15	= 4.05 m3	
		1	30	0.9	0.15	= 4.05 m3	
		1	30	0.9	0.15	= 4.05 m3	
	Ramachandrapura main Road	1	25.5	0.9	0.15	= 3.44 m3	
	Si R wall for 7th cs Pillegowda Layout to SWD	2	30	0.75	0.55	= 4.95 m3	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agenc
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	7th cs RLs -
	7th cs Ls } -

Assistant Execu
Vidyaranyapu
BBMP, Ban

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
er	Length 4	Breadth 5	Depth 6	7	8
tion 9 m.				
30×0.9×0.15 =			4.05m³	
30×0.9×0.15 =			4.05m³	
30.9×0.9×0.15 =			4.17m³	
30×0.9×0.15 =			4.05m³	
25.6×0.9×0.15 =			3.46m³	
30×0.9×0.15 =			4.05m³	
30×0.9×0.15 =			4.05m³	
30×0.9×0.15 =			4.05m³	
30×0.9×0.15 =			4.05m³	
25.5×0.9×0.15 =			3.44m³	
30×0.75×0.55 =			4.95m³	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353838

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	7th qs Rls -	2×30	×0.15	×0.6	= 5.40m³		
		2×30.9	×0.15	×0.6	= 5.56m³		
		2×30	×0.15	×0.55	= 4.95m³		
		2×30	×0.15	×0.6	= 5.40m³		
	7th qs Ls } -	2×25.6	×0.15	×0.65	= 4.99m³		
		2×30	×0.15	×0.65	= 5.85m³		
		2×30	×0.15	×0.60	= 5.40m³		
		2×25.5	×0.15	×0.6	= 4.59m³		
	Net quantity				= 82.46m³		

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Quantity limited to				=	82.22 m3	
	(4) Rs. 6231.74					Rs 512374=	
	(4) KSRB 4.9.2: providing T.M.T. Steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (lugs, hooks, and wastage shall not be measured and paid] cost of materials, labour, Hom, machine complete as per Specifications. Specification No. KBS 4.6.3 TMT Bars Fe 500.					4.93 Tonne	
	As per premeasurement wide of NB No-3539 of page No-353892 to 353893						
						@ Rs 64243.42	Rs 316720=00

Serial No. .....
Name of Work .....
Name of Contractor of nature of Ag
Date of commencement of work ...

Date	Full description, etc, of w
1	2
	(5) KSRB 4-6.4: provid and removal of form including attached pla materials, labour cos rain sidewall) - Ramachandr all Road from 7th cls Dilly upto SWB.
	7th cls Rs

REMENT BOOK

Dimensions				Contents	Reference to last Measurement
ber	Length 4	Breadth 5	Depth 6	7	8
to		= 82.22 m³			
Rs. 6231.74.				Rs 512374=	
l reinforcement for R.C.C work including, s, placing in position, lapping and/or welding ding wire and anchoring to the adjoining te as per design (lugs, hooks, and wastage materials, labour complete cost & materials, labour Hom grade machine-cut ication No. KBS 4.6.3 TMT Bars Fe 500.				4.93 Tonne	
@ Rs 64243.42				Rs 316720=00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353839

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(5) KSRB 4-6.4: providing and removing centering, shuttering, struttings, propping etc., and removal of form work for vertical surface such as walls at any thickness including attached pilasters, buttresses, plinth and string courses cost of all as per specifications. specifications No. KBS 4.6.2.						
	7th cls Rls }	4 ×	30 ×	0.90	=	108.00 m2	
		4 ×	30 ×	0.90	=	108.00 m2	
		4 ×	30.9 ×	0.90	=	111.24 m2	
	19/03	4 ×	30 ×	0.90	=	108.00 m2	
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು	4 ×	30 ×	0.90	=	108.00 m2	
		4 ×	25.6 ×	0.90	=	92.16 m2	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7th cls LLS I-	4 ×	30 ×	0.9	=	108.00 m²	
		4 ×	30 ×	0.90	=	108.00 m²	
	C&F.C	4 ×	25.5 ×	0.75	=	76.50 m²	
				Net quality	=	927.9 m²	
	CC road Near Anuchaya	2 ×	30 ×	0.30	=	18.00 m²	
		2 ×	30 ×	0.30	=	18.00 m²	
		2 ×	10.2 ×	0.30	=	6.12 m²	
		2 ×	30 ×	0.30	=	18.00 m²	
		2 ×	30 ×	0.30	=	18.00 m²	
		2 ×	30 ×	0.30	=	18.00 m²	
		2 ×	30 ×	0.30	=	3.00 m²	
		2 ×	5.10 ×	0.30	=	99.12 m²	

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Serial No. .....
Name of Work .....
Name of Contractor of na
Date of commencement

Date	Full descriptio
1	2
	Total
	Cement Conc
	thickness as per
	type as per de
	graded granite
	3) It is conform
	not less tha
	approved mixed
	laying and

UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
mber 3	Length 4	Breadth 5	Depth 6	7	8
4×	30×	0.9	=	108.00 m²	
4×	30×	0.90	=	108.00 m²	
4×	25.5×	0.75	=	76.50 m²	
	Net Quantity		=	927.4 m²	
2×	30×	0.30	=	18.00 m²	
2×	30×	0.30	=	18.00 m²	
	30×	0.30	=	6.12 m²	
	10.2×	0.30	=	18.00 m²	
	30×	0.30	=	18.00 m²	
	30×	0.30	=	18.00 m²	
	30×	0.30	=	3.00 m²	
	5.00×	0.30	=	99.12 m²	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 353840

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Total upto date Quantity		=	1027.02 m²			
	Quantity limited to		=	1022.40 m²			
				@Rs. 310.58		Rs 317537=00	
	5) Cement Concrete pavement. Construction of unreinforced plain cement concrete pavement thickness as per design, over a prepared Sub base with OPC cement or any other type as per clause 1051.22 design mix M20/M30, with 25mm and down size graded granite metal coarse aggregate and fine aggregate, with Superplasticizer @ 3lts conforming to IS 9103-1999 Reaffirmed 2008, mixed in a concrete mixed of not less than 0.6 cum Capacity and appropriate weigh batchers, as per approved mixed design, laid in approved fixed side formwork (Steel channel shuttering and fixing of 125mm micron thick polythene film, Wedges						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Steel plates including levelling the form work as per drawings]. Spreading the concrete with shovell, packers Compacted using needle, Stroied and plate vibrator and finished in a continuous operation; including provision of contraction expansion, construction longitudinal joints including groove cutting charges joint fillers, seperation membrane, Selant primer, joint sealant, admixtures as Approved, Curing Compound, finishing lines and grades as per drawings. Complete as per Specifications — M20 (at 300 kg cum coarse aggregates @ 0.64 Cum and fine aggregate @ 0.43 Cum]						
	CC road Ramachandrapura old village]	1	30	$\frac{3.5+3.4}{2}$	0.125	= 12.94 m³	
	C&F.C. 19/07	1	30	$\frac{3.4+3.6}{2}$	0.125	= 13.13 m³	
		1	30	$\frac{3.6+3.6}{2}$	0.125	= 4.5 m³	
		1	30	$\frac{3.2+3.1}{2}$	0.125	= 11.81 m³	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	C&F.C. 19/07
	Quantity lim
	Vaccum de-watering with Skin floater (

UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
mber 3	Length 4	Breadth 5	Depth 6	7	8

form work as per drawings]. Spreadly the
mpacted using needle, Stried and Plate
ious operation; including provision of contraction
inal joints including groove cutting Chasing
forage, Selant primer, joint sealant,
Compound, finishing lines and grade,
on Specifications M20 (at 300kg cum coarse
gregate @ 0.43 cum]

1 × 30 × (3.5+3.4)/2 × 0.125 = 12.94 m³

1 × 30 × (3.4+3.6)/2 × 0.125 = 13.13 m³

1 × 30 × (3.6+3.6)/2 × 0.125 = 4.59 m³

1 × 30 × (3.2+3.1)/2 × 0.125 = 11.81 m³

M. A. R. 57 (Rule 116)
Measurement Book

No. B 353841

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

C&E.6 19/07

ಕಾರ್ಯಾದೇಶದ ಅಭ್ಯಾಸಂತರದು

1 × 30 × (3.1+3.2)/2 × 0.125 = 11.81 m³

1 × 30 × (3.2+3.3)/2 × 0.125 = 12.19 m³

1 × 5.8 × (3.3+3.5)/2 × 0.125 = 2.47 m³

Net Quantity = 68.93 m³

= 68.63 m³

Quantity limited to

Vaccum de-watering with Vaccum Pump and Suction mat & Compaction with Skin floater (Rubbed with floating disc including cost of

@Rs 5508.82

Rs 378070=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Generator, Hoard Machinery, Screed vibrating power floater, blade and disc etc., with all lead & light etc.; CC Road Ramachandrapura old village						
		3-1	30	$\left(\frac{3.5+3.4}{2}\right)$		= 103.50 m²	
		1	30	$\left(\frac{3.4+3.6}{2}\right)$		= 105.00 m²	
		1	10.2	$\left(\frac{3.6+3.6}{2}\right)$		= 36.72 m²	
		1	30	$\left(\frac{3.2+3.1}{2}\right)$		= 94.50 m²	
		1	30	$\left(\frac{3.1+3.2}{2}\right)$		= 94.50 m²	
		1	30	$\left(\frac{3.2+3.3}{2}\right)$		= 97.50 m²	

Serial No. .....
Name of Work .....
Name of Contractor of nature of A
Date of commencement of work ...

Date	Full description, etc, of w
1	2

Assistant Execut
Vidyaranyapura
BBMP, Ban

UREMENT BOOK

Dimensions				Contents	Reference to last Measurement
mber 3	Length 4	Breadth 5	Depth 6	7	8
Scaled	kigratory	Power floater, blade and			
light etc :-					
3-1	30 × (3.5+3.4)/2			= 103.50 m²	
1	30 × (3.4+3.6)/2			= 105.00 m²	
1	10.2 × (3.6+3.6)/2			= 36.72 m²	
1	30 × (3.2+3.1)/2			= 94.50 m²	
1	30 × (3.1+3.2)/2			= 94.50 m²	
1	30 × (3.2+3.3)/2			= 97.50 m²	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353842

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1 × 5.8 × (3.3+3.5)/2 =				19.72 m²	
				Net quantity =		551.44 m²	
				=		535.00 m²	
	M/s Sanctity limited to			@ Rs. 95.40		Rs 51039 = 00	
	Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore-97			Sub Total –		Rs 2250940 = 00	
				KRIDL Charges @ 9% =		Rs 225094 = 00	
				Labour Cess @ 1% =		Rs 22509 = 00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Grand total			= Rs 2498543-	
						= Rs 2498543	
	Amount to be paid		Grand total				
			B Bhuvaneshwari				
			.. 13/03/2018				
	Assistant Executive Engineer Byatarayanapura Sub-division KRIDL, BBMP, Bangalore						

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
			= Rs 249854/-	
Grand total			= Rs 249854/-	
Grand total				
B Chandrappa				
.. 13/03/2018				

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

M. A. R. 57 (Rule 116)
Measurement Book

No. B

353843

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	INDEX:- ■ - cc drain ■ - cc road.						
	← Ramachandrapura main road →		91.00m				
	85.00m		85.00m	7th cls.			
	←cls road→						
	B Chandrappa .. 13/03/2018						

Contents sketch: 3.2m; 1.65m; 9.5m; 3.5m; 70.00m

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						24,98,543-00	
						To Tal Rs: ~~22,50,940-00~~	
						IT - 49971-00	
						Cess. 24985-00	
						CBF - 2499-00	
						LR - 24736-00	
						FSD - 124927-00	
						Fine - 1150-00	
						Add Tx - 2,28,268-00	
						Claim: 22,70,275-00	

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 24,98,543-00.

ಗಮನಿಸಿ: ಮಾಡಿದೆ: ಇದರಲ್ಲಿ ರೂ. 228268-00

ನಿರ್ವಾಣಕ್ಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 2270275-00

Rs: Twenty two lakh seventy thousand two hundred seventy five.

ಈ ಮುಂದಾಂತರ ನೀಡಲಾಗಿದೆ

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಕಾ ಮಾ ಪ. 19/03

ಮಾಲೂರು ಉಪವಿಭಾಗ

ಸ್ವ. ಪ. ಮ. 19/03. ಸ್ವ. ಪ ಮುಂ

Serial No. BRNO!

Name of Work .....

Name of Contractor of nature of Agenc

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Name of the WORK :- I Roads and Surrounding Coddabommasandra Estimated cost :- Job number :- Head of Account :- P General] [15/4/17 Name of the Contractor :- Development Block, Rajajinag